
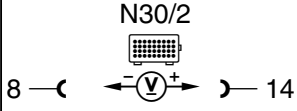
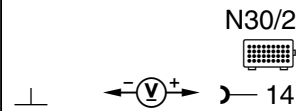
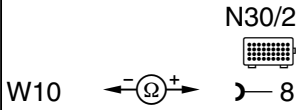
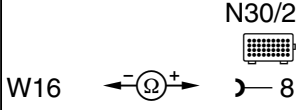
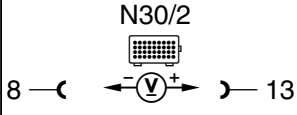
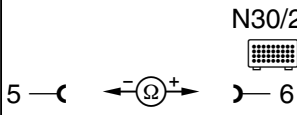
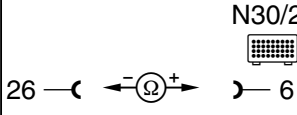
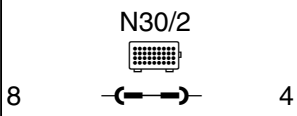


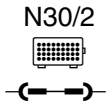
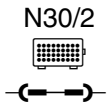

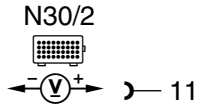
Electrical Test Program - Test

Test step DTC	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 1.0	 ASD control module (N30/2) Voltage supply Circuit 87 E	 <p>N30/2</p>	Ignition: ON	11 – 14 V	⇒ 1.1
⇒ 1.1	Voltage supply from overvoltage protection relay module (K1/1 or K1/2)	 <p>N30/2</p>	Ignition: ON	11 – 14 V	Fuse in K1/2, Wiring, K1/2, ⇒ 1.2
⇒ 1.2	Ground wire	<p>Models 124, 201</p>  <p>N30/2</p> <p>Models 129, 202</p>  <p>N30/2</p> <p>W16 W16/4</p>	Ignition: OFF	< 1 Ω	Wiring, Models 124, 201 Ground (battery) (W10). Model 129 Ground (component compartment) (W16). Model 202 Ground (component compartment, right) (W16/4).


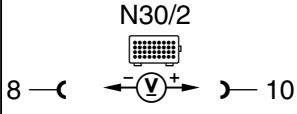

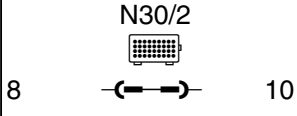

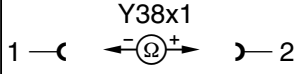
Electrical Test Program - Test

Test step DTC	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 2.0	Circuit 61 voltage	<p>N30/2</p>  <p>8 —(—(←(V)→ —(—()— 13</p>	Ignition: ON Engine: Start	< 1.5 V 11 – 14 V	Wiring, Generator (G2).
⇒ 3.0	Diagnosis output	<p>X11/4 8-pole/16-pole</p> <p>N30/2</p>  <p>5 —(←(Ω)→ —(—()— 6</p> <p>X11/4 38-pole</p> <p>N30/2</p>  <p>26 —(←(Ω)→ —(—()— 6</p>	Engine: OFF	< 1 Ω	Wiring, Data link connector (X11/4).
⇒ 4.0	ASD warning lamp (A1e25)	<p>N30/2</p>  <p>8 —(←(→)→ —(—()— 4</p>	Ignition: ON	A1e25: ON	Wiring, A1e25, DM, Body & Accessories, Vol. 1, section 1.4, 23.

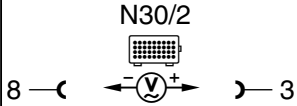
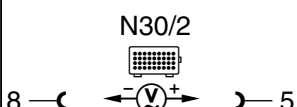
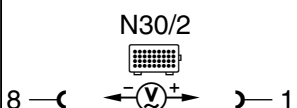
Electrical Test Program - Test

Test step DTC	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 5.0	ASD MIL (A1e24)	<p>Models 124, 129, 201</p>  <p>8 —(←→)— 2</p> <p>Model 202</p>  <p>8 —(←→)— 2</p>	<p>Ignition: ON</p> <p>Bridge sockets 8 and 2.</p> <p>Ignition: ON</p> <p>Bridge sockets 8 and 2.</p>	<p>A1e24: ON</p> <p>A1e24: lamp goes out after 30 seconds.</p> <p>A1e24: ON</p>	<p>Wiring, A1e24.</p> <p>Wiring.</p> <p>Wiring, A1e24, DM, Body & Accessories, Vol. 1, section 1.4, 23.</p>
⇒ 6.0	 Stop lamp switch (S9/1) N.O. contact	 <p>8 —(←V→) 11</p>	<p>Ignition: OFF</p> <p>Brake pedal not depressed.</p> <p>Depress brake pedal.</p>	<p>< 1 V</p> <p>11 – 14 V</p>	<p>Fuse in overvoltage protection relay module (K1/2), Wiring, S9/1.</p>

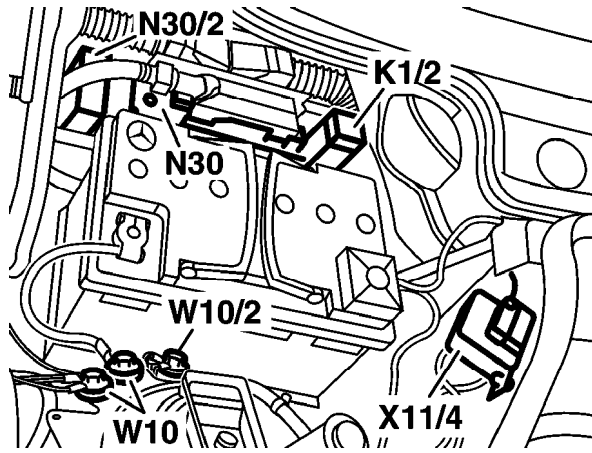
Electrical Test Program - Test

Test step DTC	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 7.0	 Stop lamp switch (S9/1) N.C. contact	N30/2 	Ignition: ON Brake pedal not depressed. Depress brake pedal.	11 – 14 V < 1 V	Wiring, S9/1, ⇒ 8.0
⇒ 8.0	 ASD solenoid valve (Y38) Function	N30/2 	Ignition: ON Depress brake pedal.	ASD valve switches on. ASD valve switches off.	⇒ 8.1, Wiring.
⇒ 8.1	 Coil resistance	Y38x1 	Ignition: OFF Brake pedal not depressed.	5 – 7 Ω.	Wiring, Y38.

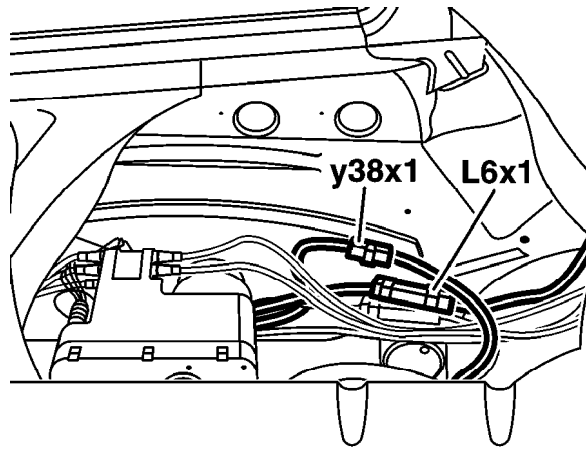
Electrical Test Program - Test

Test step DTC	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 9.0	5 Right front axle VSS sensor (L6/2)	N30/2  8 —(←(—(V) —(—()— 3	Raise front of vehicle. Ignition: ON Rotate right front wheel (approx. 1 rev./sec.).	> 3 V~	Wiring, DM, Chassis & Drivetrain, Vol. 2, section 6.1–6.3 23.
⇒ 10.0	4 Left front axle VSS sensor (L6/1)	N30/2  8 —(←(—(V) —(—()— 5	Raise front of vehicle. Ignition: ON Rotate left front wheel (approx. 1 rev./sec.).	> 3 V~	Wiring, DM, Chassis & Drivetrain, Vol. 2, section 6.1–6.3 23.
⇒ 11.0	6 Rear axle VSS sensor (L6)	N30/2  8 —(←(—(V) —(—()— 1	Raise rear of vehicle. Selector lever in: N Ignition: ON Rotate a rear wheel (approx. 1 rev./sec.).	> 3 V~	Wiring, DM, Chassis & Drivetrain, Vol. 2, section 6.1–6.3 23.

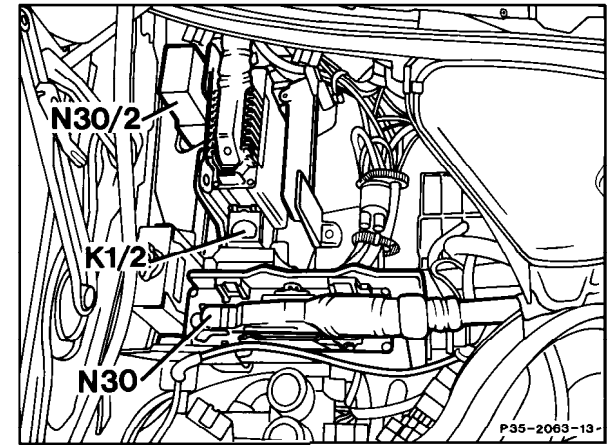
Electrical Test Program - Test



P35-5771-13



P35-5772-13



P35-2063-13

Figure 1
Model 124 Right component compartment
(as of 10/92)

- K1/2 Overvoltage protection relay module (87E/87L/30a, 9-pole)
- N30 ABS control module
- N30/2 ASD control module
- W10 Ground (battery)
- W10/2 Ground (electronics)
- X11/4 Data link connector (DTC readout)

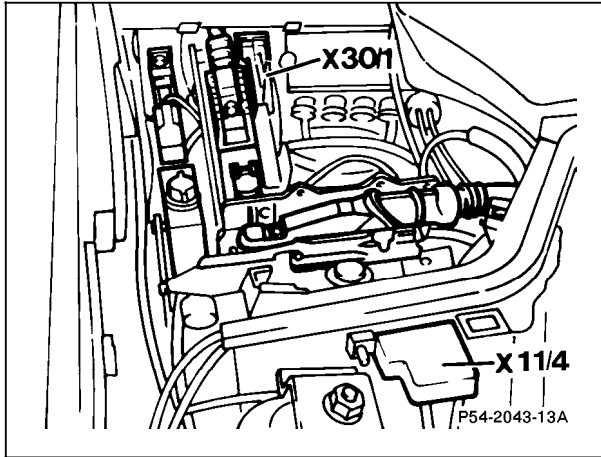
Figure 2
Model 124 Right rear passenger compartment

- L6x1 Rear axle VSS sensor connector
- Y38x1 ASD solenoid valve connector

Figure 3
Model 129

- K1/2 Overvoltage protection relay module (87E/87L/30a, 9-pole)
- N30 ABS control module
- N30/2 ASD control module

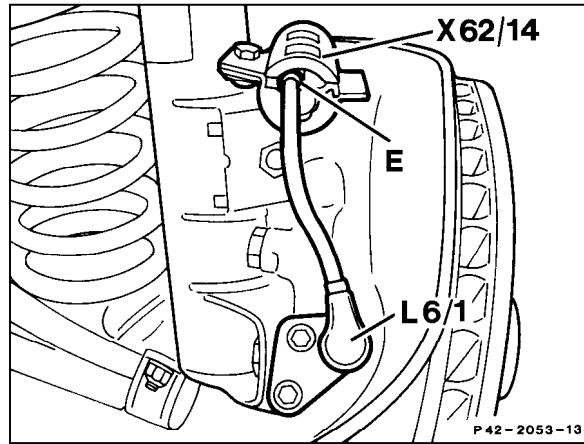
Electrical Test Program - Test



P54-2043-13A

Figure 4
Model 129

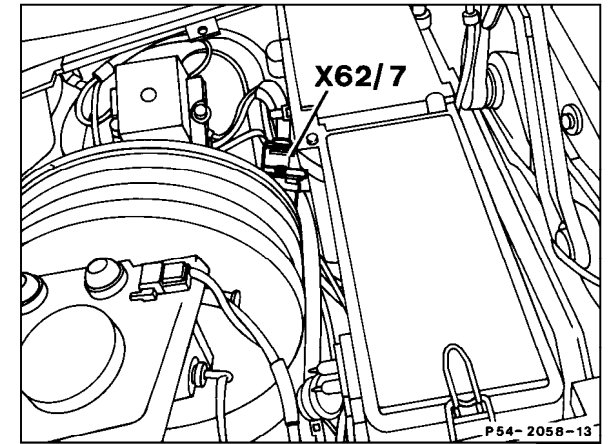
- X30/1 Multi-function connector block
- X11/4 Data link connector (DTC readout)



P42-2053-13

Figure 5
Model 129

- L6/1 Left front axle VSS sensor
- L6/2 Right front axle VSS sensor
- X62/14 Left front axle VSS sensor connector (axle spindle)
- X62/15 Right front axle VSS sensor connector (axle spindle)

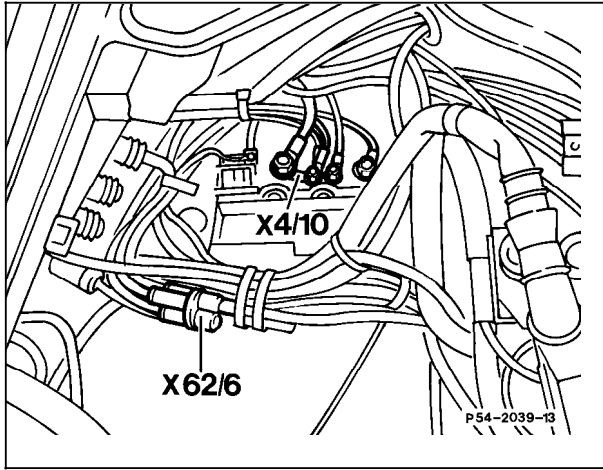


P54-2058-13

Figure 6
Model 129

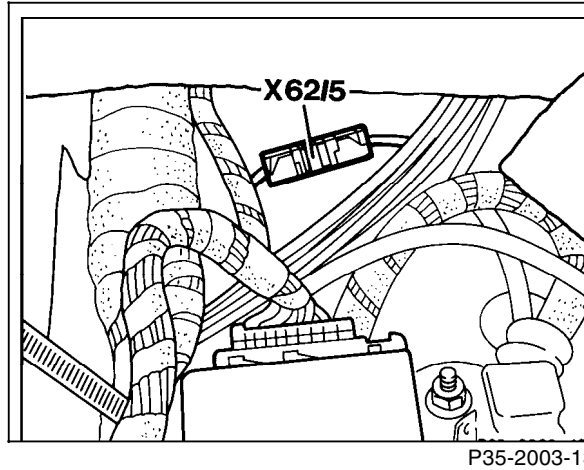
- X62/7 Left front axle VSS sensor connector (component compartment)

Electrical Test Program - Test



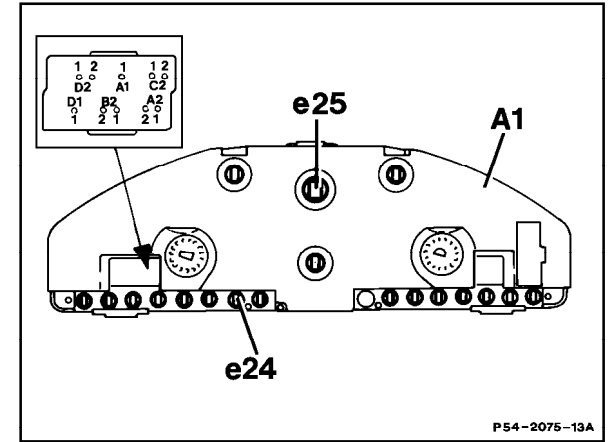
P54-2039-13

Figure 7
Model 129
X4/10 Terminal block (circuit 30/circuit 61 battery)
(3-pole)
X62/6 Right front axle VSS sensor connector
(component compartment)



P35-2003-13

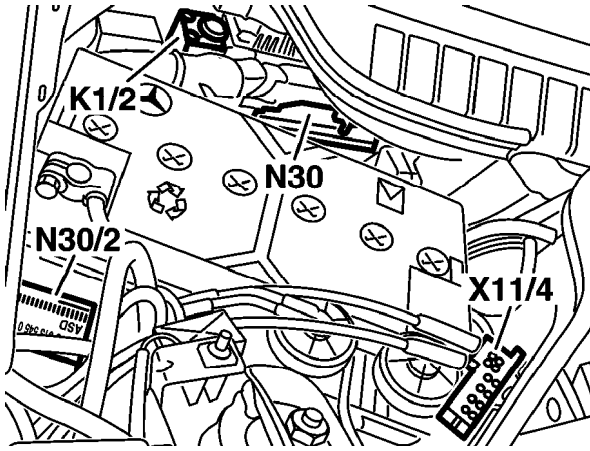
Figure 8
Model 129
X62/5 Valve connector (ASD) (2-pole)



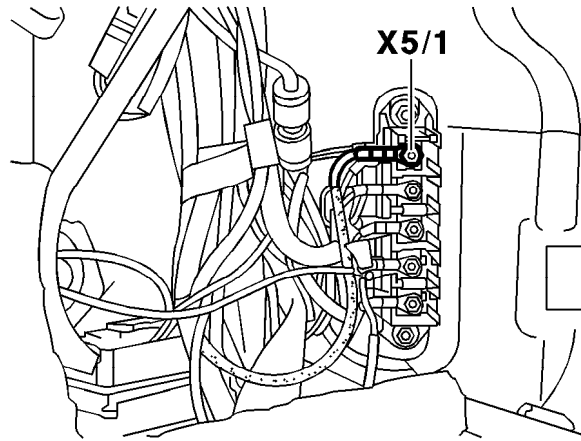
P54-2075-13A

Figure 9
Model 129
A1 Instrument cluster
A1e24 ASD MIL
A1e25 ASD warning lamp

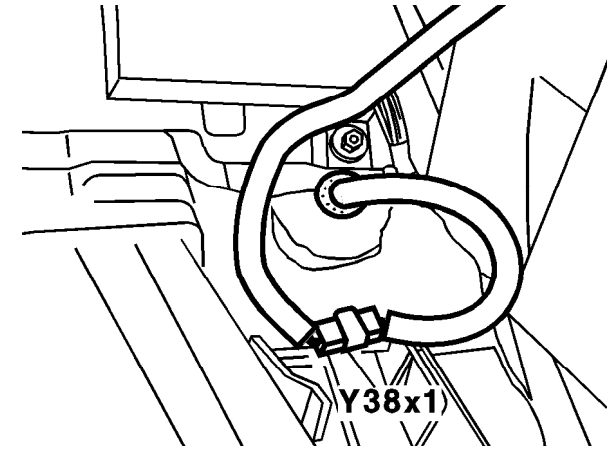
Electrical Test Program - Test



P35-5773-13



P35-5808-13



P35-5802-13

Figure 10

Model 201 Right component compartment

- K1/2 Overvoltage protection relay module
(87E/87L/30a, 9-pole)
- N30 ABS control module
- N30/2 ASD control module
- X11/4 Data link connector (DTC readout)

Figure 11

Model 201 Left footwell

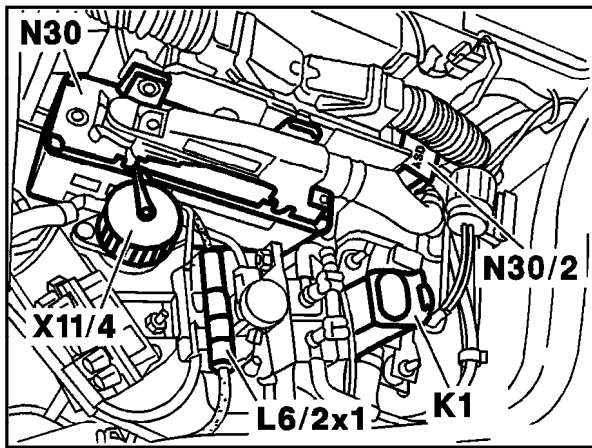
- X5/1 Terminal block (interior)

Figure 12

Model 201 Right footwell

- Y38x1 ASD solenoid valve connector

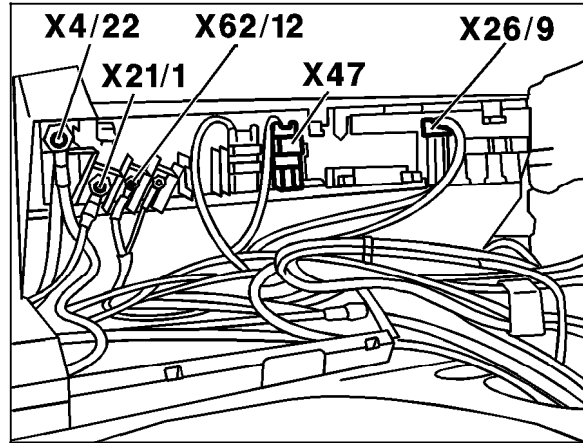
Electrical Test Program - Test



U35-5797-13

Figure 13
Model 202 Right component compartment

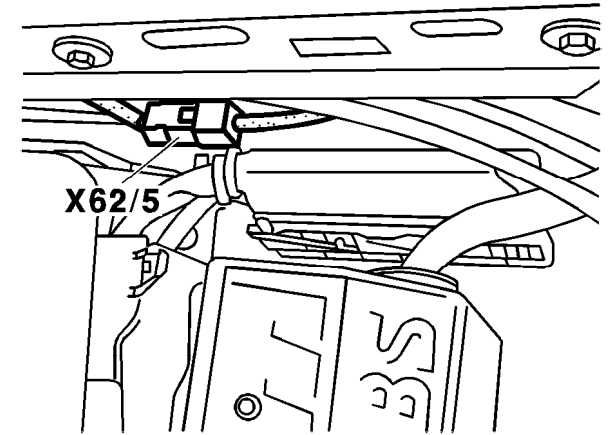
- K1 Overvoltage protection relay module
- L6/2x1 Right front axle VSS sensor connector
- N30 ABS control module
- N30/2 ASD control module
- X11/4 Data link connector (DTC readout)



P35-5801-13

Figure 14
Model 202 Right footwell

- X4/22 Terminal block (circuit 30Z) (1-pole)
- X21/1 Terminal block (stop lamp switch)
- X26/9 Interior/systems connector
- X47 Rear axle VSS sensor harness connector (2-pole) (right footwell)
- X62/12 Terminal block (front VSS) (1-pole)

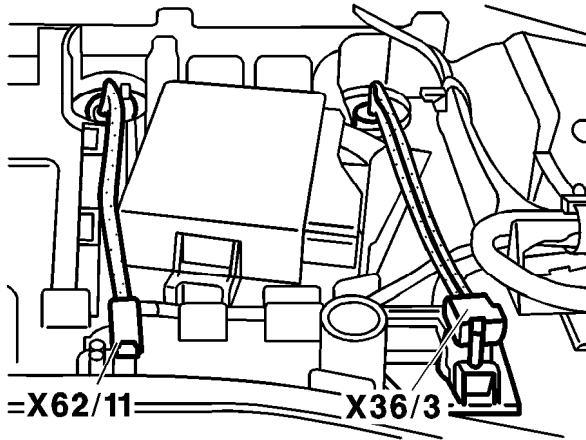


P35-5814-13

Figure 15
Model 202 Engine compartment/right wheel arch

- X62/5 Valve connector (ASD) (2-pole)

Electrical Test Program - Test

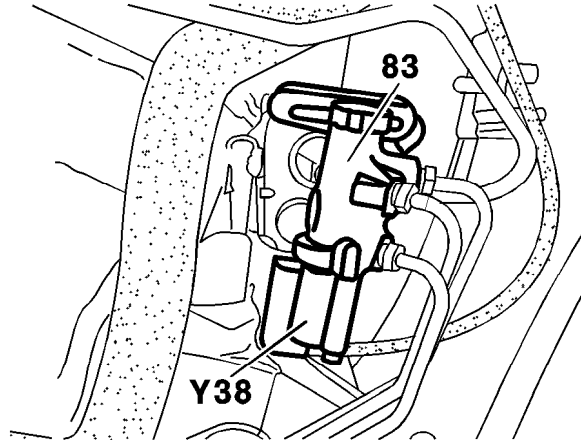


P35-5770-13

Figure 16

Model 202 Trunk

- X36/3 FP harness connector (2-pole)
- X62/11 ABS rear axle VSS sensor (2-pole)

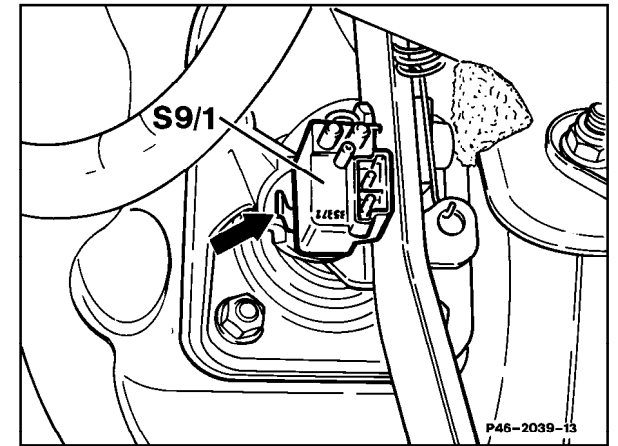


P35-5798-13

Figure 17

Model 202 Left front wheel arch

- Y38 ASD solenoid valve



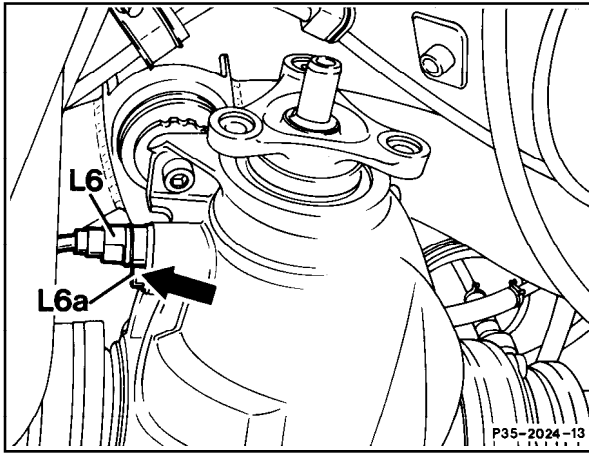
P46-2039-13

Figure 18

Pedal assembly, all models

- S9/1 Stop lamp switch (4-pole)

Electrical Test Program - Test

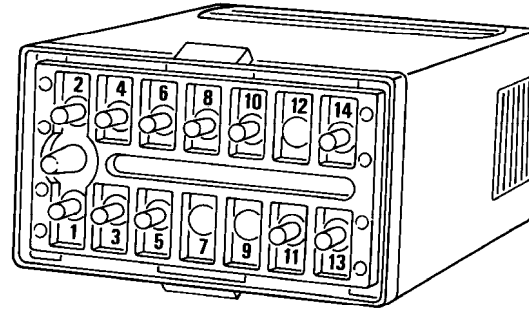


P35-2024-13

Figure 19

Rear axle center piece, all models

- L6 Rear axle VSS sensor
- L6a Rear axle VSS sensor mounting screw



P35-5537-13

Figure 20

ASD control module (N30/2) connections

- 1 Rear axle VSS sensor (L6)
- 2 ASD MIL (A1e24)
- 3 Right front axle VSS sensor (L6/2)
- 4 ASD warning lamp (A1e25)
- 5 Left front axle VSS sensor (L6/1)
- 6 Data link connector (X11/4)
- 7 Not used
- 8 Ground
- Model 124:** W10
- Model 129:** W16
- Model 201:** W10
- Model 202:** W16/4
- 9 Not used
- 10 ASD solenoid valve (Y38) (-)
- 11 Stop lamp switch (S9/1), N.O. contact
- 12 Not used
- 13 Circuit 61 voltage
- 14 Stop lamp switch (S9/1), N.C. contact and Circuit 87e voltage